ABSTRACT

An object of the present invention is to provide an FCD system capable of collecting effectively traveling locus data of a vehicle while putting characteristics of beacons into practical use and then analyzing detailed traffic conditions.

In a system of the present invention for collecting traveling locus data from a in-vehicle unit in a vehicle via beacons, a downstream-side beacon (20) collects the traveling locus data, then calculates a traveling distance of the vehicle from an upstream-side beacon (10) to the downstream-side beacon (20) based on the traveling locus data, and then decides whether or not the traveling locus data of the vehicle are used in analyzing traffic conditions of the objective road, by comparing the traveling distance with a distance on an objective road from the upstream-side beacon (10) to the downstream-side beacon (20). The high-precision traffic information can be obtained by collecting the traveling locus data of the vehicle effectively by using the beacons.